

WHAT IS CLAIMED IS:

1. An achromatic prism comprising:

a prism made of a flint glass, onto which two or more

5 light beams having different wavelengths are incident; and

a prism made of a crown glass, from which the light  
beams incident onto the prism made of a flint glass are  
emitted, wherein:

10 a front end surface of the prism made of a flint glass  
serves as a light incidence plane;

a contact plane of the prism made of a flint glass and  
the prism made of a crown glass serves as a light refraction  
plane;

15 a rear end surface of the prism made of a crown glass  
serves as a light emission plane; and

20 the light beams having different wavelengths incident  
onto the front end surface of the prism made of a flint glass  
are refracted so that optical axes of the light beams  
coincide, and are then emitted from the rear end surface of  
the prism made of a crown glass.

2. A light emitting element module comprising:

a light emitting element for emitting two or more light  
beams having different wavelengths;

25 an achromatic prism installed in front of the light

emitting element; and

a holder for holding the light emitting element and the achromatic prism so that the light emitting element and the achromatic prism are combined into a single package.

5

3. The light emitting element module as set forth in claim 2, wherein the achromatic prism comprises:

a prism made of a flint glass, onto which the light beams are incident; and

10 a prism made of a crown glass, from which the light beams incident onto the prism made of a flint glass are emitted, wherein:

a front end surface of the prism made of a flint glass serves as a light incidence plane;

15 a contact plane of the prism made of a flint glass and the prism made of a crown glass serves as a light refraction plane;

a rear end surface of the prism made of a crown glass serves as a light emission plane; and

20 the light beams having different wavelengths incident onto the front end surface of the prism made of a flint glass are refracted so that optical axes of the light beams coincide, and are then emitted from the rear end surface of the prism made of a crown glass.

25

4. An optical pickup device comprising:  
a light emitting element for emitting two or more light  
beams having different wavelengths;  
an objective lens for converging the light beams emitted  
5 from the light emitting element onto an optical disk;  
a light receiving element for receiving light beams  
reflected by the optical disk;  
a beam splitter installed at an optical route between  
the light emitting element and the objective lens; and  
10 an achromatic prism installed at an optical route  
between the light emitting element and the beam splitter.

5. The optical pickup device as set forth in claim 4,  
wherein the achromatic prism comprises:  
15 a prism made of a flint glass, onto which the light  
beams are incident; and  
a prism made of a crown glass, from which the light  
beams incident onto the prism made of a flint glass are  
emitted, wherein:  
20 a front end surface of the prism made of a flint glass  
serves as a light incidence plane;  
a contact plane of the prism made of a flint glass and  
the prism made of a crown glass serves as a light refraction  
plane;  
25 a rear end surface of the prism made of a crown glass

serves as a light emission plane; and

the light beams having different wavelengths incident onto the front end surface of the prism made of a flint glass are refracted so that optical axes of the light beams coincide, and are then emitted from the rear end surface of the prism made of a crown glass.

6. The optical pickup device as set forth in claim 4,  
wherein the beam splitter is a flat beam splitter.

10

7. An optical pickup device comprising:

a light emitting element module including a light emitting element for emitting two or more light beams having different wavelengths, an achromatic prism installed in front of the light emitting element, and a holder for holding the light emitting element and the achromatic prism so that the light emitting element and the achromatic prism are combined into a single package;

20 an objective lens for converging the light beams emitted from the light emitting element module onto an optical disk;

a light receiving element for receiving light beams reflected by the optical disk; and

25 a beam splitter installed at an optical route between the light emitting element module and the objective lens.

25

8. The optical pickup device as set forth in claim 7,  
wherein the achromatic prism comprises:

a prism made of a flint glass, onto which the light  
beams are incident; and

5 a prism made of a crown glass, from which the light  
beams incident onto the prism made of a flint glass are  
emitted, wherein:

a front end surface of the prism made of a flint glass  
serves as a light incidence plane;

10 a contact plane of the prism made of a flint glass and  
the prism made of a crown glass serves as a light refraction  
plane;

a rear end surface of the prism made of a crown glass  
serves as a light emission plane; and

15 the light beams having different wavelengths incident  
onto the front end surface of the prism made of a flint glass  
are refracted so that optical axes of the light beams  
coincide, and are then emitted from the rear end surface of  
the prism made of a crown glass.

20 9. The optical pickup device as set forth in claim 7,  
wherein the beam splitter is a flat beam splitter.